Curriculum Vitae

Name, First name	Chen, Wei
Date of birth	19/11/1972
Nationality	P. R. China
Marital status	Married
Address	Department of Human Molecular Genetics (Prof. Dr. Ropers) Max-Planck-Institute for Molecular Genetics Ihnestrasse 73, Berlin 14195, Germany
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EDUCATION

08/2002 - present	Ph.D. program, Max-Planck-Institute for Molecular Genetics (MPIMG), Berlin, Germany Supervisors: Prof. Hans Hilger Ropers
09/1999 - 07/2002	M.Sc. program in Medical Genetics, West China Hospital, Sichuan University, Chengdu Sichuan, China Supervisor: Prof. Zhang Sizhong
09/1989- 07/1993	Bachelor of Science (major in Biochemistry), Department of Biology, Xiamen University, Xiamen, Fujian, China

WORKING EXPERIENCES

08/2002 - present	Ph.D. student, Department Ropers, Max-Planck-Institute for Molecular Genetics, Berlin, Germany Supervisors: Prof. Hans Hilger Ropers
07/2002 - 09/1999	Research Assistant, West China Hospital, Sichuan University, Chengdu, Sichuan, China Supervisor: Prof. Zhang Sizhong
08/1993 - 08/1999	Research Assistant, School of Pharmacy, Sichuan University, Chengdu, Sichuan, China Supervisor: Prof. Zhang Hao

RESEARCH FIELDS

Human Molecular Genetics and Bioinformatics

- Role of non-coding RNA (especially microRNA) in the neuron development
- Array CGH data analysis
- Molecular mechanism of chromosome breakage

- Dissection of the genetic network accounting for locus heterogeneity and clinical heterogeneity
- Prediction of candidate disease-causing gene by bioinformatical means

PUBLICATIONS

Chen W, Erdogan F, Ropers HH, Lenzner S, Ullmann R:
CGHPRO – A comprehensive data analysis tool for array CGH. *BMC Bioinformatics 2005, 6:85*

Fikret Erdogan*, **Wei Chen***, Maria Kirchhoff, Vera M. Kalscheuer, Claus Hultschig, Ines Müller, Ralph Schulz, Corinna Menzel, Thue Bryndorf, Hans-Hilger Ropers, Reinhard Ullmann:
Impact of low copy repeats on the generation of balanced and unbalanced chromosomal aberrations in mental retardation. *Cytogenetic and genome research* (In press) *Shared first author

Budny B, **Chen W**, Omran H, Fliegauf M, Tzschach A, Wisniewska M, Jensen LR, Raynaud M, Shoichet SA, Badura M, Lenzner S, Latos-Bielenska A, Ropers HH:
A novel X-linked recessive syndrome characterized by mental retardation and primary ciliary dyskinesia is allelic to OFD1. *Human Genetics* [Epub ahead of print]

Wei Chen, Lars R. Jensen, Jozef Gecz, Jean-Pierre Fryns, Claude Moraine, Arjan de Brouwer, Jamel Chelly, Bettina Moser, H. Hilger Ropers and Andreas W. Kuss:
Mutation screening of brain-expressed miRNA genes in 464 patients with non-syndromic X-linked mental retardation. *European Journal of Human Genetics* (Submitted)

Fikret Erdogan, Reinhard Ullmann, **Wei Chen**, Marei Schubert, Sabine Adolph, Claus Hultschig, Hans-Hilger Ropers, Christiane Spaich, and Andreas Tzschach:
Characterization of a 5.3 Mb deletion in 15q14 by Comparative Genomic Hybridization using a whole genome ”tiling path” BAC array in a girl with heart defect, cleft palate and developmental delay. *American Journal of Medical Genetics* (Submitted)

Lars Riff Jensen, Steffen Lenzner, Bettina Moser, Kristine Freude, Andreas Tzschach, **Wei Chen,** Jean-Pierre Fryns, Jamel Chelly, Gillian Turner, Claude Moraine, Ben Hamel, Hans-Hilger Ropers§ and Andreas Walter Kuss:
X-linked mental retardation – a comprehensive molecular screen of 47 candidate genes from a 7.4 Mb interval in Xp11. *European Journal of Human Genetics* (Submitted)

H. Najmabadi, M. Motazacker, M. Garshasbi, K. Kahrizi, A. Tzschach, **W. Chen**, F. Behjati, V. Hadavi, S. Esmaili Nieh, S.S. Abedini, R.V. Vazifehmand, S. Ghasemi Firoozabadi, Payman Jamali, Seyed Mortaza Seifati, S. Lenzner, F. Ruschendorf, A. Kuss and H.H. Ropers:

Homozygosity mapping in consanguineous families reveals extreme heterogeneity of non-syndromic autosomal recessive mental retardation and identifies 8 novel gene loci. (Manuscript in preparation)

Fikret Erdogan, **Wei Chen**, Andreas Tzschach, Ger Arkesteijn, Vera Kalscheuer, Artur Muradyan, Krause-Plonka, Marei Schubert, Antje-Friederike Pelz, Claus Hultschig, H-Hilger Ropers, Reinhard Ullmann:
Two consecutive hybridizations on DNA arrays decipher the breakpoint sequences in a balanced translocation possibly predisposing to hematological malignancy. (Manuscript in preparation)

Zhang G, Zhang S, **Chen W**, Qiu W, Wu H, Wang J, Luo J, Gu X, Cotton RG:
Go!Poly: A gene-oriented polymorphism database. *Hum Mutat. 2001 Nov;18(5):382-7.*

Chen W, Zhang G, Zhang S:
Introduction to Go! Poly, a human genome polymorphism database. *Zhonghua Yi Xue Yi Chuan Xue Za Zhi. 2001 Dec;18(6):482-5.*

Chen W, Zhang G, Zhang S:
Discovery of Candidate SNP by Bioinformatic Methods. *Yi Chuan,2001,23(2):153-156.*

CONFERENCE CONTRIBUTIONS

Selected talk: German Society of Human Genetics, 03/06, Heidelberg

Selected talk: Fragilome – Chromosomal Instability, Fragile Sites, and Cancer, 02/2005, Heidelberg

Selected talk: German Society of Human Genetics Congress 2003, 10/2003, Marburg

Poster: Genetic Analysis: Model Organisms to Human Biology, 01/06, San Diego

Poster: 2nd Marie-Curie Conferences on arrayCGH and molecular cytogenetics, 10/2005, Bari

Poster: European Human Genetics Conference 2005, 05/2005, Prag

Poster: German Society of Human Genetics Congress 2005, 03/2005, Halle

Poster: European Human Genetics Conference 2004, 06/2004, Munich

Poster: Human Genome Meeting 2004, 04/2004, Berlin